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Ccdc47 Antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI15658

Specification

Ccdc47 Antibody - C-terminal region - Product Information

Application	**WB**
Primary Accession	Q9D024
Other Accession	NM_026009, NP_080285
Reactivity	**Human, Mouse, Rat, Rabbit, Horse, Bovine, Guinea Pig, Dog**
Predicted	**Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**53kDa KDa**

Ccdc47 Antibody - C-terminal region - Additional Information

Gene ID 67163

Alias Symbol	**2610204L23Rik, C88307, RP23-81G14.10, asp4, calumin**

Other Names
Coiled-coil domain-containing protein 47, Adipocyte-specific protein 4, Ccdc47, Asp4

Format
Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage
Add 50 ul of distilled water. Final anti-Ccdc47 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions
Ccdc47 Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Ccdc47 Antibody - C-terminal region - Protein Information

Name Ccdc47 {ECO:0000312|MGI:MGI:1914413}

Function
Component of the multi-pass translocon (MPT) complex that mediates insertion of multi-pass membrane proteins into the lipid bilayer of membranes (By similarity). The MPT complex takes over after the SEC61 complex: following membrane insertion of the first few transmembrane segments of proteins by the SEC61 complex, the MPT complex occludes the lateral gate of the SEC61 complex to promote insertion of subsequent transmembrane regions (By similarity). Within the MPT complex, the PAT subcomplex sequesters any highly polar regions in the transmembrane

domains away from the non-polar membrane environment until they can be buried in the interior of the fully assembled protein (By similarity). Within the PAT subcomplex, CCDC47 occludes the lateral gate of the SEC61 complex (By similarity). Involved in the regulation of calcium ion homeostasis in the ER (By similarity). Required for proper protein degradation via the ERAD (ER-associated degradation) pathway (By similarity). Has an essential role in the maintenance of ER organization during embryogenesis (PubMed:25009997).

Cellular Location
Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:Q96A33}; Single-pass type I membrane protein. Rough endoplasmic reticulum membrane; Single-pass type I membrane protein

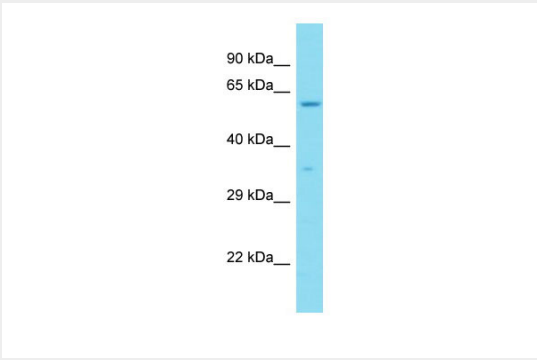
Tissue Location
In the embryo, expressed in the endodermal layer of the yolk sac and in the small intestine.

Ccdc47 Antibody - C-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Ccdc47 Antibody - C-terminal region - Images



Host: Rabbit
Target Name: Ccdc47
Sample Tissue: Mouse Liver lysates
Antibody Dilution: 1.0µg/ml

Ccdc47 Antibody - C-terminal region - References

Tsuruga H.,et al.Submitted (MAR-2000) to the EMBL/GenBank/DDBJ databases.
Carninci P.,et al.Science 309:1559-1563(2005).
Church D.M.,et al.PLoS Biol. 7:E1000112-E1000112(2009).